

Gates & Cooper LLP

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TO: Commissioner for Patents
Attn: Examiner Thai Q. Phan
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Alexandria, VA 22313-1450

FROM: George H. Gates
OUR REF.: G&C 30794.58-US-WO
TELEPHONE: (310) 642-4146

Total pages, including cover letter: **19**

PTO FAX NUMBER: **703 872-9306**

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Title of Document Transmitted:	TRANSMITTAL DOCUMENTS, PETITION FOR A 2-MONTH EXTENSION OF TIME; AMENDMENT UNDER 37 C.F.R. 1.111 AND AUTHORIZATION TO CHARGE THE DEPOSIT ACCOUNT FOR THE REQUISITE FEES
Applicant:	Mark S. Sherwin et al.
Serial No.:	09/857,822
Filed:	September 24, 2001
Group Art Unit:	2128
Title:	QUANTUM COMPUTATION WITH QUANTUM DOTS AND TERAHERTZ CAVITY QUANTUM ELECTRODYNAMICS
Our Ref. No.:	G&C 30794.58-US-WO

Please charge all fees to Deposit Account No. 50-0494 of Gates & Cooper LLP.

By: 

Name: George H. Gates

Reg. No.: 33,500

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G&C 30794.58-US-WO

Due Date: December 10, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Mark S. Sherwin et al. Examiner: Thai Q. Phan
 Serial No.: 09/857,822 Group Art Unit: 2128
 Filed: September 24, 2001 Docket: G&C 30794.58-US-WO
 Title: QUANTUM COMPUTATION WITH QUANTUM DOTS AND TERAHERTZ CAVITY
 QUANTUM ELECTRODYNAMICS

CERTIFICATE OF MAILING OR TRANSMISSION UNDER 37 CFR 1.8

I hereby certify that this correspondence is being filed via facsimile transmission to the U.S. Patent and Trademark Office on December 10, 2004.

By: George H. Gates
 Name: George H. Gates

MAIL STOP AMENDMENT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Dear Sir:

We are transmitting herewith the attached:

- ☒ Transmittal sheet, in duplicate, containing a Certificate of Mailing or Transmission under 37 CFR 1.8.
- ☒ Amendment Under 37 C.F.R. 1.111.
- ☒ Charge the additional fees in the amount of \$1,200.00 to the Deposit Account.
- ☒ Petition for Extension of Time under 37 C.F.R. 1.136 for 2 months.
- ☒ Charge the Extension Fee in the amount of \$225.00 to the Deposit Account.
- ☒ Replacement Abstract Sheet - Page 21

CLAIMS PRESENT

Claims Remaining:	Highest Number Previously Paid For:	Number Extra	Rate	Fee
Total Claims				
64	20	44	x \$25.00	= \$1,100.00
Independent Claims				
4	3	1	x \$100.00	= \$100.00
MULTIPLE DEPENDENT CLAIM FEE				\$0.00
TOTAL FILING FEE				\$1,200.00

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers, if appropriate.

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Customer Number 22462**GATES & COOPER LLP**

Howard Hughes Center
 6701 Center Drive West, Suite 1050
 Los Angeles, CA 90045
 (310) 641-8797

By: George H. Gates
 Name: George H. Gates
 Reg. No.: 33,500
 GHG/amb

G&C 30794.58-US-WO

Due Date: December 10, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Mark S. Sherwin et al. Examiner: Thai Q. Phan
 Serial No.: 09/857,822 Group Art Unit: 2128
 Filed: September 24, 2001 Docket: G&C 30794.58-US-WO
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Name: George H. Gates

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DEC 10 2004

Due Date: January 6, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Mark S. Sherwin et al. Examiner: Thai Q. Phan
Serial No.: 09/857,822 Group Art Unit: 2128
Filed: September 24, 2001 Docket: G&C 30794.58-US-WO
Title: QUANTUM COMPUTATION WITH QUANTUM DOTS AND TERAHERTZ
CAVITY QUANTUM ELECTRODYNAMICS

CERTIFICATE OF MAILING OR TRANSMISSION UNDER 37 CFR 1.8

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By: 

Name: George H. Gates

AMENDMENT UNDER 37 C.F.R. §1.111

MAIL STOP AMENDMENT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action dated August 6, 2004, please amend the above-identified
application as follows.